

# WEST Search History for Application 10570138

Creation Date: 2008052311:20

Query	DB	Op.	Plur.	Thes.	Date
(y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium)	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
(y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium)	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
(zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese)	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese)	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
(eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate))	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
(eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17))	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
zn\$mn\$sio4 or zn\$mn\$4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
(( (y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) ) or ((y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) ) or (y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ ) or (((zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) ) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) ) or (((eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) ) or ((eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008

barium) with (mg or magnesium) with \$al10o17)) ) or (zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) ) and (powder or particle or particulate)					
((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) ) and (powder or particle or particulate) ) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkxoid\$ or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy\$ilicate) or (\$20yl oxy\$ilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) ) and (powder or particle or particulate) ) and (gaseous or gasifi\$ or vapor) and alkoxide	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) ) and (powder or particle or particulate) ) and (gaseous or gasifi\$ or vapor) and alkoxide	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008

<p>or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$zio4 or zn\$zio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) ) not ( ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$zo3 or gd\$zo3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$zo3 or gd\$eu\$zo3 or y\$tm\$zo3 or y\$tb\$zo3 or y\$zo3\$tm\$ or y\$zo3\$tb\$ or y\$zo3\$eu\$ or gd\$zo3\$eu\$ or y\$zo3\$tm\$ or y\$zo3\$tb\$ or (zn\$zio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$zio4 or zn\$zio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy)silicate) or (\$20yl oxy)silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) ) or (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$zo3 or gd\$zo3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$zo3 or gd\$eu\$zo3 or y\$tm\$zo3 or y\$tb\$zo3 or y\$zo3\$tm\$ or y\$zo3\$tb\$ or y\$zo3\$eu\$ or gd\$zo3\$eu\$ or y\$zo3\$tm\$ or y\$zo3\$tb\$ or (zn\$zio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$zio4 or zn\$zio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide ) )</p>				
<p>((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$zo3 or gd\$zo3) with (eu or europium or</p>	EPAB, JPAB, DWPI	ADJ	YES	05-23-2008

tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or  
 y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$  
 or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn! or (zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$1silicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$io4 or zn\$io4\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) not  
 (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide)  
 with (eu or europium or tb or terbium or tm or thulium) or  
 (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or  
 tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or  
 y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$  
 or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$io4 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$1silicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$io4 or zn\$io4\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and  
 (gaseous or gasifi\$ or vapor) and (organo\$metallic or  
 alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or  
 (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or borate or  
 \$methoxide or \$ethoxide or \$propoxide or \$butoxide or  
 \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or  
 yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or  
 europium or tb or terbium or tm or thulium) or (y\$bo3 or  
 gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or  
 terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or  
 y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$  
 or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$io4 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$1silicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$io4 or zn\$io4\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and  
 (gaseous or gasifi\$ or vapor) and alkoxide ) ) and

(organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)					
(phosphor or phosphoresc\$ or \$luminesc\$ or fluoresc\$ or luminophor\$ or fluorophor\$) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alxxoide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
((phosphor or phosphoresc\$ or \$luminesc\$ or fluoresc\$ or luminophor\$ or fluorophor\$) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alxxoide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) ) not ( ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$ silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) ) or (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$ silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008

barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide ) or (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or

manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al1(0o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide ) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) ))					
(((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al1(0o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al1(0o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008

<p>\$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$zio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$l silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$zio4 or zn\$zio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide ) ) and (organo\$metallic or alkoxide or \$ketone or \$dione or \$teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)</p>					
<p>(phosphor or phosphores\$ or \$luminesc\$ or fluorese\$ or luminophor\$ or fluorophor\$) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)</p>	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
<p>((phosphor or phosphores\$ or \$luminesc\$ or fluorese\$ or luminophor\$ or fluorophor\$) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) ) not ( ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$zio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$l silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$zio4 or zn\$zio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or</p>	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008



ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyl oxide or \$20amyl oxide or \$pent\$yloxide) ) or (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide ) or (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam

<p>or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkxoid\$ or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$bo3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$lsilicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide ) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) ))</p>				
<p>((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$bo3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$lsilicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) not ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or</p>	EPAB, JPAB, DWPI	ADJ	YES	05-23-2008

tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or  
 y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$  
 or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$io4 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$1silicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and  
 (gaseous or gasifi\$ or vapor) and (organo\$metallic or  
 alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or  
 (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or borate or  
 \$methoxide or \$ethoxide or \$propoxide or \$butoxide or  
 \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or  
 yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or  
 europium or tb or terbium or tm or thulium) or (y\$bo3 or  
 gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or  
 terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or  
 y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$  
 or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$1silicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and  
 (gaseous or gasifi\$ or vapor) and alkoxide ) and  
 (organo\$metallic or alkoxide or \$ketone or \$dione or teos or  
 \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or  
 borate or \$methoxide or \$ethoxide or \$propoxide or  
 \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)  
 ) not (((y or yttrium or gd or gadolinium) with (\$bo3 or  
 oxide) with (eu or europium or tb or terbium or tm or  
 thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or  
 europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or  
 gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or  
 gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$  
 or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or  
 (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or  
 aluminate) with (mn or manganese) or (((zn! or zinc) with  
 ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu  
 or europium) with (bam or ba\$mg\$al10o17 or ((ba or  
 barium) with (mg or magnesium) with aluminate)) or (eu or

europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy)silicate) or (\$20yl oxy)silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide ) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy)silicate) or (\$20yl oxy)silicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) )					
(((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008

y\$bo3\$Seu\$ or gd\$bo3\$Seu or y\$eu\$o3 or gd\$eu\$o3 or  
 y\$tm\$so3 or y\$tb\$so3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$Seu\$  
 or gd\$o3\$Seu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$so4 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$lsilicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$so4 or zn\$so4\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) not  
 (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide)  
 with (eu or europium or tb or terbium or tm or thulium) or  
 (y\$bo3 or gd\$bo3 or y\$o3 or gd\$so3) with (eu or europium or  
 tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$bo3\$Seu\$ or gd\$bo3\$Seu or y\$eu\$o3 or gd\$eu\$o3 or  
 y\$tm\$so3 or y\$tb\$so3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$Seu\$  
 or gd\$o3\$Seu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$so4 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$lsilicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$so4 or zn\$so4\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and  
 (gaseous or gasifi\$ or vapor) and (organo\$metallic or  
 alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or  
 (\$alkyl oxyasilicate) or (\$2Oyl oxyasilicate) or borate or  
 \$methoxide or \$ethoxide or \$propoxide or \$butoxide or  
 \$amyloxide or \$2oamyl oxide or \$pent\$yloxide) or ((y or  
 yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or  
 europium or tb or terbium or tm or thulium) or (y\$bo3 or  
 gd\$bo3 or y\$o3 or gd\$so3) with (eu or europium or tb or  
 terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$bo3\$Seu\$ or gd\$bo3\$Seu or y\$eu\$o3 or gd\$eu\$o3 or  
 y\$tm\$so3 or y\$tb\$so3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$Seu\$  
 or gd\$o3\$Seu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$so4 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$lsilicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$so4 or zn\$so4\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and  
 (gaseous or gasifi\$ or vapor) and alkoxide ) and  
 (organo\$metallic or alkoxide or \$ketone or \$dione or teos or

\$yloxysilicate or (\$alkyl oxy)silicate) or (\$20yl oxy)silicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) ) and (cdv or atomiz\$ or atomis\$ or aero\$1sol or aero sol or spray\$)					
(phosphor or phosphoresc\$ or \$luminesc\$ or fluoresc\$ or luminophor\$ or fluorophor\$) and (cdv or atomiz\$ or atomis\$ or aero\$1sol or aero sol or spray\$) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy)silicate) or (\$20yl oxy)silicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008
((phosphor or phosphoresc\$ or \$luminesc\$ or fluoresc\$ or luminophor\$ or fluorophor\$) and (cdv or atomiz\$ or atomis\$ or aero\$1sol or aero sol or spray\$) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy)silicate) or (\$20yl oxy)silicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) ) not ( ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$so3 or gd\$so3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$so3 or gd\$eu\$so3 or y\$tm\$so3 or y\$tb\$so3 or y\$so3\$tm\$ or y\$so3\$tb\$ or y\$so3\$eu\$ or gd\$so3\$eu\$ or y\$so3\$tm\$ or y\$so3\$tb\$ or (zn\$so4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (nn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$so4 or zn\$so4\$mn\$ or \$mn\$al12o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy)silicate) or (\$20yl oxy)silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) ) or (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$so3 or gd\$so3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$so3 or gd\$eu\$so3 or y\$tm\$so3 or y\$tb\$so3 or y\$so3\$tm\$ or y\$so3\$tb\$ or y\$so3\$eu\$ or gd\$so3\$eu\$ or y\$so3\$tm\$ or y\$so3\$tb\$ or (zn\$so4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (nn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008

barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide ) or (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or

manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al1(0o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide ) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) ))					
(( ((phosphor or phosphoresc\$ or \$luminesc\$ or fluoresc\$ or luminophor\$ or fluorophor\$) and (cdv or atomiz\$ or atomis\$ or aero\$1sol or aero sol or spray\$) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$so3 or gd\$so3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$so3 or gd\$eu\$so3 or y\$tm\$so3 or y\$tb\$so3 or y\$so3\$tm\$ or y\$so3\$tb\$ or y\$so3\$eu\$ or gd\$so3\$eu\$ or y\$so3\$tm\$ or y\$so3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (nn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$so3 or gd\$so3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$so3 or gd\$eu\$so3 or y\$tm\$so3 or y\$tb\$so3 or y\$so3\$tm\$ or y\$so3\$tb\$ or y\$so3\$eu\$ or gd\$so3\$eu\$ or y\$so3\$tm\$ or y\$so3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (nn or manganese) or (((zn! or zinc) with	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008



ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$

or gd\$03\$eu\$ or y\$03\$tm\$ or y\$03\$tb\$ or (zn\$io4 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$1silicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$io4 or zn\$io4\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and  
 (gaseous or gasifi\$ or vapor) and alkoxide ) and  
 (organo\$metallic or alkoxide or \$ketone or \$dione or teos or  
 \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or  
 borate or \$methoxide or \$ethoxide or \$propoxide or  
 \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)  
 ) ) or ((phosphor or phosphores\$ or luminesc\$ or fluoresc\$  
 or luminophor\$ or fluorophor\$) and (gaseous or gasifi\$ or  
 vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione  
 or teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl  
 oxy silicate) or \$methoxide or \$ethoxide or \$propoxide or  
 \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide)  
 not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide)  
 with (eu or europium or tb or terbium or tm or thulium) or  
 (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or  
 tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or  
 y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$  
 or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$io4 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$1silicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$io4 or zn\$io4\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and  
 (gaseous or gasifi\$ or vapor) and (organo\$metallic or  
 alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or  
 (\$alkyl oxy silicate) or (\$20yl oxy silicate) or borate or  
 \$methoxide or \$ethoxide or \$propoxide or \$butoxide or  
 \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or  
 yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or  
 europium or tb or terbium or tm or thulium) or (y\$bo3 or  
 gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or  
 terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or  
 y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$  
 or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$io4 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$1silicate) or

\$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkxoide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amylxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or

(zn\$io4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$io4 or zn\$io4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide ) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) ) ) and (powder or particle or particulate)					
(((phosphor or phosphore\$ or \$luminesc\$ or fluoresc\$ or luminophor\$ or fluorophor\$) and (cdv or atomiz\$ or atomis\$ or aero\$1sol or aero sol or spray\$) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) not ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$bo3\$tm\$ or y\$bo3\$tb\$ or (zn\$io4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$io4 or zn\$io4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$bo3\$tm\$ or y\$bo3\$tb\$ or (zn\$io4 or ((zn! or zinc) with silicate) or \$al12o19 or	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008

aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or



manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al1(0o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al1(0o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al1(0o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy)silicate) or (\$2(0)l oxy)silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$

<p>or y\$3\$eu\$ or gd\$3\$eu\$ or y\$3\$tm\$ or y\$3\$tb\$ or (zn\$3\$io4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$3\$io4 or zn\$3\$io4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide ) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) ) and (powder or particle or particulate) ) and (oxide or \$silicate or aluminate)</p>					
<p>(((phosphor or phosphores\$ or \$luminesc\$ or fluorese\$ or luminophor\$ or fluorophor\$) and (cdv or atomiz\$ or atomis\$ or aero\$1sol or aero sol or spray\$) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) not (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$3\$ or gd\$3\$) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$3\$ or gd\$eu\$3\$ or y\$tm\$3\$ or y\$tb\$3\$ or y\$3\$tm\$ or y\$3\$tb\$ or y\$3\$eu\$ or gd\$3\$eu\$ or y\$3\$tm\$ or y\$3\$tb\$ or (zn\$3\$io4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$3\$io4 or zn\$3\$io4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxy silicate) or (\$20yl oxy silicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$3\$ or gd\$3\$) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$3\$ or gd\$eu\$3\$ or y\$tm\$3\$ or y\$tb\$3\$ or y\$3\$tm\$ or y\$3\$tb\$</p>	EPAB, JPAB, DWPI	ADJ	YES		05-23-2008



or y\$03\$eu\$ or gd\$03\$eu\$ or y\$03\$tm\$ or y\$03\$tb\$ or  
 (zn\$04 or ((zn! or zinc) with silicate) or \$al12o19 or  
 aluminate) with (mn or manganese) or (((zn! or zinc) with  
 ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu  
 or europium) with (bam or ba\$mg\$al10o17 or ((ba or  
 barium) with (mg or magnesium) with aluminate)) or (eu or  
 europium) with (bam or ba\$mg\$al10o17 or ((ba or barium)  
 with (mg or magnesium) with \$al10o17)) or zn\$mn\$04 or  
 zn\$04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or  
 ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle  
 or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide  
 or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide)  
 with (eu or europium or tb or terbium or tm or thulium) or  
 (y\$bo3 or gd\$bo3 or y\$03 or gd\$03) with (eu or europium or  
 tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$03 or gd\$eu\$03 or  
 y\$tm\$03 or y\$tb\$03 or y\$03\$tm\$ or y\$03\$tb\$ or y\$03\$eu\$  
 or gd\$03\$eu\$ or y\$03\$tm\$ or y\$03\$tb\$ or (zn\$04 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$1silicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$04 or zn\$04\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) not  
 (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide)  
 with (eu or europium or tb or terbium or tm or thulium) or  
 (y\$bo3 or gd\$bo3 or y\$03 or gd\$03) with (eu or europium or  
 tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$03 or gd\$eu\$03 or  
 y\$tm\$03 or y\$tb\$03 or y\$03\$tm\$ or y\$03\$tb\$ or y\$03\$eu\$  
 or gd\$03\$eu\$ or y\$03\$tm\$ or y\$03\$tb\$ or (zn\$04 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$1silicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$04 or zn\$04\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and  
 (gaseous or gasifi\$ or vapor) and (organo\$metallic or  
 alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or  
 (\$alkyl oxyisilicate) or (\$20yl oxyisilicate) or borate or  
 \$methoxide or \$ethoxide or \$propoxide or \$butoxide or  
 \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or  
 yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or  
 europium or tb or terbium or tm or thulium) or (y\$bo3 or  
 gd\$bo3 or y\$03 or gd\$03) with (eu or europium or tb or

terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide ) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) ) or (phosphor or phosphoresc\$ or \$luminesc\$ or fluoresc\$ or luminophor\$ or fluorophor\$) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) not ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or europium or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$

or gd\$3\$eu\$ or y\$3\$tm\$ or y\$3\$tb\$ or (zn\$sio4 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$1silicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and  
 (gaseous or gasifi\$ or vapor) and alkoxide or ((y or yttrium or  
 gd or gadolinium) with (\$bo3 or oxide) with (eu or europium  
 or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or  
 y\$3 or gd\$3) with (eu or europium or tb or terbium or tm  
 or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or  
 gd\$bo3\$eu\$ or y\$eu\$3 or gd\$eu\$3 or y\$tm\$3 or y\$tb\$3  
 or y\$3\$tm\$ or y\$3\$tb\$ or y\$3\$eu\$ or gd\$3\$eu\$ or  
 y\$3\$tm\$ or y\$3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with  
 silicate) or \$al12o19 or aluminate) with (mn or manganese)  
 or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn  
 or manganese) or (eu or europium) with (bam or  
 ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium)  
 with aluminate)) or (eu or europium) with (bam or  
 ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium)  
 with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12  
 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$  
 ) and (powder or particle or particulate) not (((y or yttrium or  
 gd or gadolinium) with (\$bo3 or oxide) with (eu or europium  
 or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or  
 y\$3 or gd\$3) with (eu or europium or tb or terbium or tm  
 or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or  
 gd\$bo3\$eu\$ or y\$eu\$3 or gd\$eu\$3 or y\$tm\$3 or y\$tb\$3  
 or y\$3\$tm\$ or y\$3\$tb\$ or y\$3\$eu\$ or gd\$3\$eu\$ or  
 y\$3\$tm\$ or y\$3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with  
 silicate) or \$al12o19 or aluminate) with (mn or manganese)  
 or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn  
 or manganese) or (eu or europium) with (bam or  
 ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium)  
 with aluminate)) or (eu or europium) with (bam or  
 ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium)  
 with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12  
 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$  
 ) and (powder or particle or particulate) and (gaseous or  
 gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone  
 or \$dione or teos or \$yloxysilicate or (\$alkyl oxy silicate) or  
 (\$20yl oxy silicate) or borate or \$methoxide or \$ethoxide or  
 \$propoxide or \$butoxide or \$amylxide or \$20amyl oxide or  
 \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with  
 (\$bo3 or oxide) with (eu or europium or tb or terbium or tm  
 or thulium) or (y\$bo3 or gd\$bo3 or y\$3 or gd\$3) with (eu  
 or europium or tb or terbium or tm or thulium) or y\$eu\$bo3

or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$bo3 or  
 gd\$eu\$bo3 or y\$tm\$bo3 or y\$tb\$bo3 or y\$bo3\$tm\$ or y\$bo3\$tb\$  
 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$bo3\$tm\$ or y\$bo3\$tb\$ or  
 (zn\$zio4 or ((zn! or zinc) with silicate) or \$al12o19 or  
 aluminate) with (mn or manganese) or (((zn! or zinc) with  
 ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu  
 or europium) with (bam or ba\$mg\$al10o17 or ((ba or  
 barium) with (mg or magnesium) with aluminate)) or (eu or  
 europium) with (bam or ba\$mg\$al10o17 or ((ba or barium)  
 with (mg or magnesium) with \$al10o17)) or zn\$mn\$zio4 or  
 zn\$zio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or  
 ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle  
 or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide  
 ) and (organo\$metallic or alkoxide or \$ketone or \$dione or  
 teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl  
 oxyasilicate) or borate or \$methoxide or \$ethoxide or  
 \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or  
 \$pent\$yloxide) ) ) and (powder or particle or particulate) )  
 not (((phosphor or phosphoresc\$ or \$luminesc\$ or fluoresc\$  
 or luminophor\$ or fluorophor\$) and (cdv or atomiz\$ or  
 atomis\$ or aero\$1sol or aero sol or spray\$) and  
 (organo\$metallic or alkoxide or \$ketone or \$dione or teos or  
 \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or  
 \$methoxide or \$ethoxide or \$propoxide or \$butoxide or  
 \$amyloxide or \$20amyl oxide or \$pent\$yloxide) not (((y or  
 yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or  
 europium or tb or terbium or tm or thulium) or (y\$bo3 or  
 gd\$bo3 or y\$bo3 or gd\$bo3) with (eu or europium or tb or  
 terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$tm\$bo3 or y\$tb\$bo3 or y\$bo3\$tm\$ or y\$bo3\$tb\$ or y\$bo3\$eu\$  
 or gd\$bo3\$eu\$ or y\$bo3\$tm\$ or y\$bo3\$tb\$ or (zn\$zio4 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$1silicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$zio4 or zn\$zio4\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and  
 (gaseous or gasifi\$ or vapor) and (organo\$metallic or  
 alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or  
 (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or borate or  
 \$methoxide or \$ethoxide or \$propoxide or \$butoxide or  
 \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or  
 yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or  
 europium or tb or terbium or tm or thulium) or (y\$bo3 or  
 gd\$bo3 or y\$bo3 or gd\$bo3) with (eu or europium or tb or  
 terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$bo3 or gd\$eu\$bo3 or

y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$  
 or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$1silicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and  
 (gaseous or gasifi\$ or vapor) and alkoxide or ((y or yttrium or  
 gd or gadolinium) with (\$bo3 or oxide) with (eu or europium  
 or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or  
 y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm  
 or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or  
 gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3  
 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or  
 y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with  
 silicate) or \$al12o19 or aluminate) with (mn or manganese)  
 or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn  
 or manganese) or (eu or europium) with (bam or  
 ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium)  
 with aluminate)) or (eu or europium) with (bam or  
 ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium)  
 with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12  
 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$  
 ) and (powder or particle or particulate) not (((y or yttrium or  
 gd or gadolinium) with (\$bo3 or oxide) with (eu or europium  
 or tb or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or  
 y\$o3 or gd\$o3) with (eu or europium or tb or terbium or tm  
 or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or  
 gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3  
 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$o3\$eu\$ or  
 y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$sio4 or ((zn! or zinc) with  
 silicate) or \$al12o19 or aluminate) with (mn or manganese)  
 or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn  
 or manganese) or (eu or europium) with (bam or  
 ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium)  
 with aluminate)) or (eu or europium) with (bam or  
 ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium)  
 with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12  
 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$  
 ) and (powder or particle or particulate) and (gaseous or  
 gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone  
 or \$dione or teos or \$yloxysilicate or (\$alkyl oxy)silicate) or  
 (\$20yl oxy)silicate) or borate or \$methoxide or \$ethoxide or  
 \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or  
 \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with  
 (\$bo3 or oxide) with (eu or europium or tb or terbium or tm  
 or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu

or europium or terbium or thulium) or y\$eu\$bo3  
 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or  
 gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$  
 or y\$o3\$eu\$ or gd\$o3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or  
 (zn\$so4 or ((zn! or zinc) with silicate) or \$al12o19 or  
 aluminate) with (mn or manganese) or (((zn! or zinc) with  
 ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu  
 or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium)  
 with (mg or magnesium) with aluminate)) or (eu or  
 europium) with (bam or ba\$mg\$al10o17 or ((ba or barium)  
 with (mg or magnesium) with \$al10o17)) or zn\$mn\$so4 or  
 zn\$so4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or  
 ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle  
 or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide  
 ) and (organo\$metallic or alkoxide or \$ketone or \$dione or  
 teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$20yl  
 oxyasilicate) or borate or \$methoxide or \$ethoxide or  
 \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or  
 \$pent\$yloxide) ) or (phosphor or phosphoresc\$ or  
 \$luminesc\$ or fluoresc\$ or luminophor\$ or fluorophor\$) and  
 (gaseous or gasifi\$ or vapor) and (organo\$metallic or  
 alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or  
 (\$alkyl oxyasilicate) or (\$20yl oxyasilicate) or \$methoxide or  
 \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or  
 \$20amyl oxide or \$pent\$yloxide) not ((y or yttrium or gd or  
 gadolinium) with (\$bo3 or oxide) with (eu or europium or tb  
 or terbium or tm or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or  
 gd\$o3) with (eu or europium or terbium or tm or  
 thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or  
 gd\$bo3\$eu\$ or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3  
 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or  
 y\$o3\$tm\$ or y\$o3\$tb\$ or (zn\$so4 or ((zn! or zinc) with  
 silicate) or \$al12o19 or aluminate) with (mn or manganese)  
 or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn  
 or manganese) or (eu or europium) with (bam or  
 ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium)  
 with aluminate)) or (eu or europium) with (bam or  
 ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium)  
 with \$al10o17)) or zn\$mn\$so4 or zn\$so4\$mn\$ or \$mn\$al12  
 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$  
 ) and (powder or particle or particulate) and (gaseous or  
 gasifi\$ or vapor) and (organo\$metallic or alkoxide or \$ketone  
 or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or  
 (\$20yl oxyasilicate) or borate or \$methoxide or \$ethoxide or  
 \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or  
 \$pent\$yloxide) or ((y or yttrium or gd or gadolinium) with  
 (\$bo3 or oxide) with (eu or europium or terbium or tm  
 or thulium) or (y\$bo3 or gd\$bo3 or y\$o3 or gd\$o3) with (eu  
 or europium or terbium or tm or thulium) or y\$eu\$bo3  
 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$o3 or  
 gd\$eu\$o3 or y\$tm\$o3 or y\$tb\$o3 or y\$o3\$tm\$ or y\$o3\$tb\$

or y\$03\$eu\$ or gd\$03\$eu\$ or y\$03\$tm\$ or y\$03\$tb\$ or  
 (zn\$04 or ((zn! or zinc) with silicate) or \$al12o19 or  
 aluminate) with (mn or manganese) or (((zn! or zinc) with  
 ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu  
 or europium) with (bam or ba\$mg\$al10o17 or ((ba or  
 barium) with (mg or magnesium) with aluminate)) or (eu or  
 europium) with (bam or ba\$mg\$al10o17 or ((ba or barium)  
 with (mg or magnesium) with \$al10o17)) or zn\$mn\$04 or  
 zn\$04\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or  
 ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle  
 or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide  
 or ((y or yttrium or gd or gadolinium) with (\$bo3 or oxide)  
 with (eu or europium or tb or terbium or tm or thulium) or  
 (y\$bo3 or gd\$bo3 or y\$03 or gd\$03) with (eu or europium or  
 tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$03 or gd\$eu\$03 or  
 y\$tm\$03 or y\$tb\$03 or y\$03\$tm\$ or y\$03\$tb\$ or y\$03\$eu\$  
 or gd\$03\$eu\$ or y\$03\$tm\$ or y\$03\$tb\$ or (zn\$04 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$1silicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$04 or zn\$04\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) not  
 (((y or yttrium or gd or gadolinium) with (\$bo3 or oxide)  
 with (eu or europium or tb or terbium or tm or thulium) or  
 (y\$bo3 or gd\$bo3 or y\$03 or gd\$03) with (eu or europium or  
 tb or terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or  
 y\$bo3\$eu\$ or gd\$bo3\$eu\$ or y\$eu\$03 or gd\$eu\$03 or  
 y\$tm\$03 or y\$tb\$03 or y\$03\$tm\$ or y\$03\$tb\$ or y\$03\$eu\$  
 or gd\$03\$eu\$ or y\$03\$tm\$ or y\$03\$tb\$ or (zn\$04 or ((zn!  
 or zinc) with silicate) or \$al12o19 or aluminate) with (mn or  
 manganese) or (((zn! or zinc) with ortho\$1silicate) or  
 \$will\$ite) with (mn or manganese) or (eu or europium) with  
 (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with aluminate)) or (eu or europium) with (bam  
 or ba\$mg\$al10o17 or ((ba or barium) with (mg or  
 magnesium) with \$al10o17)) or zn\$mn\$04 or zn\$04\$mn\$  
 or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or  
 ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and  
 (gaseous or gasifi\$ or vapor) and (organo\$metallic or  
 alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or  
 (\$alkyl oxyisilicate) or (\$20yl oxyisilicate) or borate or  
 \$methoxide or \$ethoxide or \$propoxide or \$butoxide or  
 \$amyloxide or \$20amyl oxide or \$pent\$yloxide) or ((y or  
 yttrium or gd or gadolinium) with (\$bo3 or oxide) with (eu or  
 europium or tb or terbium or tm or thulium) or (y\$bo3 or  
 gd\$bo3 or y\$03 or gd\$03) with (eu or europium or tb or

terbium or tm or thulium) or y\$eu\$bo3 or gd\$eu\$bo3 or y\$bo3\$eu\$ or gd\$bo3\$eu or y\$eu\$o3 or gd\$eu\$o3 or y\$tm\$bo3 or y\$tb\$bo3 or y\$o3\$tm\$ or y\$o3\$tb\$ or y\$o3\$eu\$ or gd\$bo3\$eu\$ or y\$o3\$tm\$ or y\$o3\$tb\$ or (zn! or zinc) with silicate) or \$al12o19 or aluminate) with (mn or manganese) or (((zn! or zinc) with ortho\$1silicate) or \$will\$ite) with (mn or manganese) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with aluminate)) or (eu or europium) with (bam or ba\$mg\$al10o17 or ((ba or barium) with (mg or magnesium) with \$al10o17)) or zn\$mn\$sio4 or zn\$sio4\$mn\$ or \$mn\$al12 o19 or \$al12o19\$mn\$ or ba\$eu\$al10o17 or ba\$al10o17\$eu\$ ) and (powder or particle or particulate) and (gaseous or gasifi\$ or vapor) and alkoxide ) and (organo\$metallic or alkoxide or \$ketone or \$dione or teos or \$yloxysilicate or (\$alkyl oxyasilicate) or (\$2Oyl oxyasilicate) or borate or \$methoxide or \$ethoxide or \$propoxide or \$butoxide or \$amyloxide or \$20amyl oxide or \$pent\$yloxide) ) ) and (powder or particle or particulate) and (oxide or \$silicate or aluminate) )					
---	--	--	--	--	--